

```

Generated version 5.1.3
Copyright (c) 1993-2003 CambridgeSoft
protein - nucleic search, using frame_plus_52n mode
on: January 16, 2003, 16:59:22 : Search time 48 seconds
      (without alignments)
      89,447 million cell updates/sec

hit#: US-00-956-370-17
perfect score: 69
sequence: 1 FREKQMMRKEDL 14

query table: BLOSUM52
              Xgapcp 10.0 / Xgapca 0.5
              Ygapcp 10.0 / Ygapcx 0.5
              Fgapcp 6.0 / Fgapcy 7.0
              helip 6.0 / helix 7.0

searched: 441562 seqs, 153339381 residues
total number of hits satisfying selection parameters: 682724

minimum DB seq length: 0
maximum DB seq length: 2000000000

post-processing: Minimum Match 0.8
                  Maximum Match 1e-08
                  Listing first 45 summaries

command line parameters:
  -MODEL-frame+ -PDB-model -DEV-xip

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SUMMARIES						
result No.	Score	Query Match	Length	DB ID	Description	
1	50	99245	4	US-09-078 294 4	Sequence 4, Appli	
2	50	60575	4	US-09-078 294 3	Sequence 3, Appli	
3	46	667	2	US-09-730 770-4	Sequence 4, Appli	
4	43	62.3	250	1	US-08-480 552-16	Sequence 16, Appli
5	43	62.3	250	3	US-08-929 268-16	Sequence 16, Appli
6	43	62.3	250	4	US-09-568 315-16	Sequence 16, Appli
7	43	62.3	649	1	US-09-385 482-309	Sequence 4, Appli
8	43	62.3	2273	1	US-08-257-073-4	Sequence 4, Appli
9	43	62.3	9551	1	US-08-056-200-93	Sequence 93, Appli
10	43	62.3	9551	2	US-08-800 644-33	Sequence 93, Appli
11	42	60.9	661	2	US-08-529 878-37	Sequence 37, Appli
12	42	60.9	2642	4	US-08-259-481-18	Sequence 18, Appli

C	13	C	42	3109	4	US	259	451	16
C	14	C	43	60.9	9957	4	US	0.8	259-451-1
C	15	C	44	59.3	11464	4	US	39.351	BAC1A-2
C	16	C	45	60.1	4176	4	US	0.9-722-1	seq.44-2
C	17	C	46	60.1	4176	4	US	0.9-721-832-1	Sequence 1, Appli
C	18	C	47	60.1	4176	4	US	0.9-721-832-1	Sequence 1, Appli
C	19	C	48	60.1	4176	4	US	0.9-721-832-1	Sequence 1, Appli
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C	21	C	50	59.4	4164	1	US	0.9-188-582-3	Sequence 1, Appli
C	22	C	51	59.4	4164	1	US	0.9-446-715-3	Sequence 3, Appli
C	23	C	52	58.0	893	1	US	0.8-276-452A-66	Sequence 66, Appli
C	24	C	53	58.0	893	1	US	0.8-276-452A-66	Sequence 66, Appli
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C	26	C	55	58.0	2024	4	US	0.9-149-476	Sequence 242, Appli
C	27	C	56	58.0	2229	4	US	0.9-149-476	Sequence 83, Appli
C	28	C	57	58.0	2229	4	US	0.9-605-785	Sequence 469, Appli
C	29	C	58	58.0	2229	4	US	0.9-439-31-469	Sequence 469, Appli
C	30	C	59	58.0	2229	4	US	0.9-352-656A-469	Sequence 469, Appli
C	31	C	60	58.0	2426	4	US	0.9-605-725-470	Sequence 429, Appli
C	32	C	61	58.0	2426	4	US	0.9-449-314-470	Sequence 429, Appli
C	33	C	62	58.0	2426	4	US	0.9-452-656A-470	Sequence 470, Appli
C	34	C	63	58.0	2449	4	US	0.9-149-476	Sequence 241, Appli
C	35	C	64	58.0	3112	4	US	0.9-605-785	Sequence 468, Appli
C	36	C	65	58.0	3112	4	US	0.9-449-311-468	Sequence 468, Appli
C	37	C	66	58.0	3923	4	US	0.9-352-656A-468	Sequence 468, Appli
C	38	C	67	58.0	152131	3	US	0.9-128-155	Sequence 690, Appli
C	39	C	68	58.0	176713	3	US	0.9-128-155	Sequence 16, Appli
C	40	C	69	56.5	556	4	US	0.9-740-235-9	Sequence 17, Appli
C	41	C	70	56.5	1298	4	US	0.8-921-089-1	Sequence 9, Appli
C	42	C	71	56.5	1298	4	US	0.8-921-089-1	Sequence 1, Appli
C	43	C	72	56.5	1405	3	US	0.8-555-723H-5	Sequence 5, Appli
C	44	C	73	56.5	1405	3	US	0.9-123-465-5	Sequence 41, Appli
C	45	C	74	56.5	1497	2	US	0.8-820-170A-41	Sequence 41, Appli
C	46	C	75	56.5	1497	4	US	0.8-820-170A-41	Sequence 41, Appli

Sequence 4, Application US/09078294  
 Patent No. 6267211  
 GENERAL INFORMATION:  
 APPLICANT: Choo, Kong Honq Andy  
 APPLICANT: Du Sarte, Desirée  
 APPLICANT: Cancilla, Michael R  
 TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE  
 CURRENT APPLICATION NUMBER: US/09078294  
 CURRENT FILING DATE: 1998 05-13  
 SEQ ID NO: 29  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 3  
 LENGTH: 80595  
 TYPE: DNA  
 ORGANISM: Nucleotide sequence of HCV-contai  
 US 09 078 294 - 3

Alignment Scores:  
 Pred. No.: 252 Length: 80595  
 Score: 50.000 Matches: 10  
 Percent Similarity: 91.67% Conservative: 1  
 Best Local Similarity: 83.33% Mismatches: 1  
 Query Match: 72.46% Indels: 0  
 DB: 4 Gaps: 0

US 09 856-070-17 (1-14) x US 09-078-294-3 (1-80595)

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 DB 1894 CAAGGCAACCAATGAAATGAGGAGAGAGACAC 1935

RESULT 4  
 US-09-078-294-16  
 Sequence 16, Application US/09480552  
 Patent No. 5665550  
 GENERAL INFORMATION:  
 APPLICANT: Gudkov, Andrei  
 APPLICANT: Robinson, Igor B.  
 TITLE OF INVENTION: Genes And Genetic Elements Associated  
 WITH SENSITIVITY To Chemotherapeutic Drugs  
 NUMBER OF SEQUENCES: 22  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Allegretti & Witcoff, Ltd.  
 STREET: 75 State Street  
 CITY: Boston  
 STATE: Massachusetts  
 COUNTRY: U. S. A.  
 ZIP: 02109  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 Application Number: US/09/480,552  
 FILING DATE: 07-JUN-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 Application Number: US 09/033,086  
 FILING DATE: 09-MAR-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Keown, Wayne N.  
 REGISTRATION NUMBER: 33,923  
 REFERENCE/DOCKET NUMBER: 93-354  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617/345-9100  
 TELEFAX: 617/345-9111  
 INFORMATION FOR SEQ ID NO: 16:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 290 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: No  
 US-09-078-294-16

Alignment Scores:  
 Pred. No.: 5,491 Length: 250  
 Score: 43,400 Matches: 9  
 Percent Similarity: 78.57% Conservative: 2  
 Best Local Similarity: 64.29% Mismatches: 3  
 Query Match: 62.32% Indels: 0  
 DB: 1 Gaps: 0



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NUMBER OF SEQ ID NBS: 544
Software: FASTSHO for Windows Version 3.0
SEQ ID NO: 409
Length: 649
Type: DNA
Organism: Homo sapiens
Feature: misc feature
Name/Key: misc feature
Location: (11) .. (649)
Other Information: n = A,T,C or G
OS: 09 405-982 309

Alignment Scores:
  prod. No.: 16,5
  score: 4,00
  Percent Similarity: 92,86%
  Local Similarity: 50,00%
  query-Y Match: 62,128
  DB: 4
  Gaps: 0

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  4 GATAGAGAAGGAGGATCAAGGAACTAAGA
  5 GATAGAGAAGGAGGATCAAGGAACTAAGA
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  100 GATAGAGAAGGAGGATCAAGGAACTAAGA

RESULT B
OS: 08 257-074-4
Sequence 4, Application US/08257073
  Patient No. 5,766,517

GENERAL INFORMATION:
  APPLICANT: Paoletti, Enzo
  APPLICANT: de Taisne, Charles
  APPLICANT: Tine, John A.
  TITLE OF INVENTION: MALARIA RECOMBINANT
  NUMBER OF SEQ/SEQUENCES: 143
  CORRESPONDENCE ADDRESS:
    ADDRESS: CURTIS, Morris & Safford, Inc.
    STREET: 530 Fifth Avenue, 25th Floor
    CITY: New York
    STATE: New York
    COUNTRY: UNITED STATES OF AMERICA
    ZIP: 10036
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: Patent on Release # 1.0, Vers
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/08/257,073
    FILING DATE: 09-JUN-1994
    CLASSIFICATION: 424
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US/08/075,783
    PRIORITY DATE: 11-JUN-1993
  PRIORITY APPLICATION DATA:
    APPLICATION NUMBER: US/07/852,305
    FILING DATE: 18-MAR-1992
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US/07/672,183
    FILING DATE: 20-MAR-1991
  ATTORNEY/AGENT INFORMATION:
    NAME: FORMMER, William S.
  REGISTRATION NUMBER: 25,506
  REFERENCE/CONTACT NUMBER: 454 110-2570
  TELECOMMUNICATION INFORMATION
    TELEPHONE: (212) 840-3333
    FAX: (212) 840-9712
    TELE: 425066 CURTINS
  INFORMATION FOR SEQ ID NO: 4:
  SPECIFIC CHARACTERISTICS:
  LENGTH: 223 base pairs
  TYPE: nucleic acid

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US-08-257-073-4 : STRANDEDNESS: single  
 US-08-257-073-4 : TOPOLOGY: linear  
 US-08-257-073-4 : Query Match: 1 / 103  
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 US-08-257-073-4 : Percent Similarity: 84.62%  
 US-08-257-073-4 : Score: 43.00  
 US-08-257-073-4 : Pred. No.: 68  
 US-08-257-073-4 : Length: 2224  
 US-08-257-073-4 : Matches: 8  
 US-08-257-073-4 : Conserv. Active: 3  
 US-08-257-073-4 : Mismatch: 2  
 US-08-257-073-4 : Indels: 0  
 US-08-257-073-4 : Gaps: 0

RESULT 9  
 US-08-056-200-93 : Sentence 55, Application US/08/056200  
 US-08-056-200-93 : Patent No. 5,616,500  
 US-08-056-200-93 : GENERAL INFORMATION:  
 US-08-056-200-93 : APPLICANT: Steinert, Peter M.  
 US-08-056-200-93 : ATTORNEY: Lee, Seung-Chul  
 US-08-056-200-93 : APPLICANT: Kim, In-Gyu  
 US-08-056-200-93 : ATTORNEY: Chung, Soo-II  
 US-08-056-200-93 : APPLICANT: Park, Sang-Chul  
 US-08-056-200-93 : TITLE OF INVENTION: Trichohyalin and Transglutaminase  
 US-08-056-200-93 : METHODS OF USING SAME  
 US-08-056-200-93 : NUMBER OF SEQUENCES: 117  
 US-08-056-200-93 : CURRENT/ADDRESS:  
 US-08-056-200-93 : ADDRESSEE: Knobbe, Martens, Olson & Bear  
 US-08-056-200-93 : STREET: 620 Newport Center Drive, Sixteenth Floor  
 US-08-056-200-93 : CITY: Newport Beach  
 US-08-056-200-93 : STATE: CA  
 US-08-056-200-93 : COUNTRY: U.S.A.  
 US-08-056-200-93 : ZIP: 92660  
 US-08-056-200-93 : COMPUTER READABLE FORM:  
 US-08-056-200-93 : COMPUTER: IBM PC compatible  
 US-08-056-200-93 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 US-08-056-200-93 : SOFTWARE: Parent in Release #1.0, Version #1.25  
 US-08-056-200-93 : CURRENT APPLICATION DATA:  
 US-08-056-200-93 : APPLICATION NUMBER: US/08/056,200  
 US-08-056-200-93 : FILING DATE: 30-APR-1993  
 US-08-056-200-93 : CLASSIFICATION: 435  
 US-08-056-200-93 : ATTORNEY/AGENCY INFORMATION:  
 US-08-056-200-93 : NAME: Fejdrak, Michael F.  
 US-08-056-200-93 : REGISTRATION NUMBER: 46,799  
 US-08-056-200-93 : REFERENCE/DOCKET NUMBER: NIH054-001A  
 US-08-056-200-93 : TELECOMMUNICATION INFORMATION:  
 US-08-056-200-93 : TELEPHONE: (714) 760-0404  
 US-08-056-200-93 : TELEFAX: (714) 760-9502  
 US-08-056-200-93 : INFORMATION FOR SEQ ID NO: 93:  
 US-08-056-200-93 : SEQUENCE CHARACTERISTICS:  
 US-08-056-200-93 : LENGTH: 9551 base pairs  
 US-08-056-200-93 : TYPE: nucleic acid  
 US-08-056-200-93 : STRANDEDNESS: single  
 US-08-056-200-93 : TOPOLOGY: linear  
 US-08-056-200-93 : MOLECULE TYPE: cDNA  
 US-08-056-200-93 : HYPOTHETICAL: NO  
 US-08-056-200-93 : ANTI-SENSE: NO  
 US-08-056-200-93 : FEATURE:  
 US-08-056-200-93 : NAME/KEY: CDS  
 US-08-056-200-93 : LOCATION: 1507..1644  
 US-08-056-200-93 : FEATURE:  
 US-08-056-200-93 : NAME/KEY: intron  
 US-08-056-200-93 : LOCATION: 1645..2511  
 US-08-056-200-93 : FEATURE:  
 US-08-056-200-93 : NAME/KEY: CDS  
 US-08-056-200-93 : LOCATION: 2512..8070

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Alignment Scores:
Pred. No.: 365 Length: 9551
Score: 4.3.00 Matches: 7
Percent Similarity: 100.00% Conservative: 5
Best Local Similarity: 58.33% Mismatches: 0
Query Match: 62.32% Indels: 0
DH: 1 Gaps: 0

US-09-856-070-17 (1-14) x US-08-056-200-93 (1-9551)
OY 2 Arg-Gly-Asp-Gly-Met-Met-Ala-Gly-Gly-Glu 1-13
ib 6262 GCGGAAAGTAACTGTTGTTGAAAGGAAAGGAA 5247

RESULT 10
US-08-800-644-93
: Sequence 93, Application US-0800644
: Patent No. 598752
: GENERAL INFORMATION:
:   APPLICANT: Steinert, Peter M.
:   APPLICANT: Lee, Seung Chul
:   APPLICANT: Kim, In Gyu
:   APPLICANT: Chung, Soo-Il
:   APPLICANT: Park, Sung-Chu
: TITLE OF INVENTION: Trichohyalin and transglutaminase-3 and
: TITLE OF INVENTION: Methods of Using Same
: NUMBER OF SEQUENCES: 117
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Knobbe, Martens, Olson & Bear
: STREET: 620 Newport Center Drive, Sixteenth Floor
: CITY: Newport Beach
: STATE: CA
: COUNTRY: U.S.A.
: ZIP: 92660
: COMPUTER/READABLE FORM:
:   MEDIUM TYPE: FLOPPY disk
: COMPUTER: IBM PC Compatible
: OPERATING SYSTEM: PC-LW/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
:   APPLICATION NUMBER: US/08/800,644
:   FILING DATE: 14-FEB-1997
:   CLASSIFICATION: 424
: PRIORITY APPLICATION DATA:
:   APPLICATION NUMBER: US 68/055,200
:   FILING DATE: 30-7-PR-1993
: ATTORNEY/AGENT INFORMATION:
:   NAME: Frederick, Michael F.
:   REGISTRATION NUMBER: 36,799
: REFERENCE/DOCKET NUMBER: NIH054.001A
: TELECOMMUNICATION INFORMATION:
:   TELEPHONE: (714) 760-0404
:   TELEFAX: (714) 760-9502
:   LENGTH: 9551 base pairs
:   TYPE: nucleic acid
:   STRANDEDNESS: single
:   TOPOLOGY: linear
:   MOLECULE TYPE: cDNA
:   HYPOTHETICAL: NO
:   ANTI-SENSE: NO
: FEATURE:
:   NAME/KEY: CDS
:   LOCATION: 1507..1644
:   NAME/KEY: intron
:   LOCATION: 1645..2511
: FEATURE:
:   NAME/KEY: CDS
:   LOCATION: 2512..8070
: US 08-800-644-93

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Sequence 1, Application US78279451  
 Patent No. 6406841  
 GENERAL INFORMATION:  
 APPLICANT: Lee, Helen H.  
 APPLICANT: Swanson, Priscilla A.  
 APPLICANT: Idler, Kenneth B.  
 APPLICANT: Rosenthal, Joseph D.  
 APPLICANT: Chen, Irvin S. Y.  
 APPLICANT: Gold, David W.  
 APPLICANT: Motley, Joan E.  
 APPLICANT: Robertson, Eugene F.  
 APPLICANT: Stephens, John E.  
 APPLICANT: Chan, Fioner W.  
 APPLICANT: Buitendorp, Mark H.  
 APPLICANT: Johnson, Joan E.  
 APPLICANT: Motley, Cheryl T.  
 APPLICANT: Peterson, Bryan  
 APPLICANT: Edwards, Michelle  
 APPLICANT: Guidinger, Peggy  
 APPLICANT: Tate, Cynthia  
 TITLE OF INVENTION: HTLV-LINRA Compositions  
 TITLE OF INVENTION: and Assays for Detecting HTLV Infection  
 NUMBER OF SEQUENCES: 19  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Abbott Laboratories  
 STREET: One Abbott Park Road  
 CITY: Abbott Park  
 STATE: Illinois  
 COUNTRY: USA  
 ZIP: 60064  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3 1/2 inch, 1 44 mb  
 MEDIUM TYPE: Storage  
 COMPUTER: IBM  
 OPERATING SYSTEM: MS-DOS  
 SOFTWARE: WordPerfect 5.1  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/259,451  
 FILING DATE: 20-JUN-1994  
 CLASSIFICATION: 436  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/086,415  
 FILING DATE: 01-JUL-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Daniel W. Collins  
 REPRESENTATION NUMBER: 31,912  
 PRIORITY/DOCKET NUMBER: 5,381,US,P1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (708) 937-6365  
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 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 8397 base pairs  
 TYPE: nucleic acid  
 STRANGENESS: single stranded  
 TOPIC: cDNA  
 LINEAR  
 -08-259-451-1  
 Alignment Scores:  
 Ed. No.: 507 Length: 8957  
 Score: 4200 Matches: 8  
 Percent Similarity: 23.3% Conservative: 2  
 1st local Similarity: 66.7% MisMatches: 2  
 Every Match: 60.878 Indels: 0  
 : 4 Gaps: 0  
 2 ArgGluLysGluGlnMetMetArgGluLysGluGlu 13  
 LII  
 6943 CGGGAAATGGATGAAATGGATGAAATGGATGAAATGGATGAGAG 6908

